

CASE NUM: INSERT YOUR OWN TITLE HERE BE SURE TO INSERT A NUMBER FOR NUM

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Introduction

This template should be used for your write-up. It gives preferred section names, and other relevant details. The purpose of the template is to have consistency in the workshop bound volume. This will also improve the overall appearance of the volume as well.

A brief introduction may be given, if desired. However, it is optional and you may choose to leave this section out in order to adhere to the 5-page limit. Also remember that this write-up is not a formal paper per se. As a workshop write-up, it is intended to provide key information about your methodology for the participants. Detailed plots showing submitted workshop results (compared against each other and against experiment) will be compiled by the workshop organizers, so **you do not have to show your results here**. The compiled results will be given in the workshop bound volume along with the write-ups.

Solution Methodology

Please describe your solution methodology here. Include a detailed description of the code and numerics employed. Equations can be included here or anywhere else in the write-up, if desired. Equations can be constructed in the usual way

$$\rho U = \frac{1}{2} \omega S^2 \quad (1)$$

It is preferred that you use Eq. (1) to refer to these equations. For cited references, please use the format Jongen and Gatski [1] or simply [2].

Also note that if you performed computations for more than one of the test cases, you should still **submit one write-up for each test case performed**. Thus some parts of the write-up (especially the beginning sections) may possibly be repeated in some cases, but that is acceptable.

Model Description

If you employed any type of model (RANS, SGS ... model), please describe it here. If it is a “standard” turbulence model with no alterations, you may prefer to reference the paper where it is described, rather than give equations and other details here. However, please note that many times slight variations between models exist and it may be important to account for these differences in assessing the models.

Implementation and Case Specific Details

Describe your boundary conditions, time step, and any other relevant information that will help the reader understand *how* you solved this particular case. Also, state which grid you used (if one of the ones provided on the website). If you used a grid other than one of the grids provided, please describe it here. If appropriate,

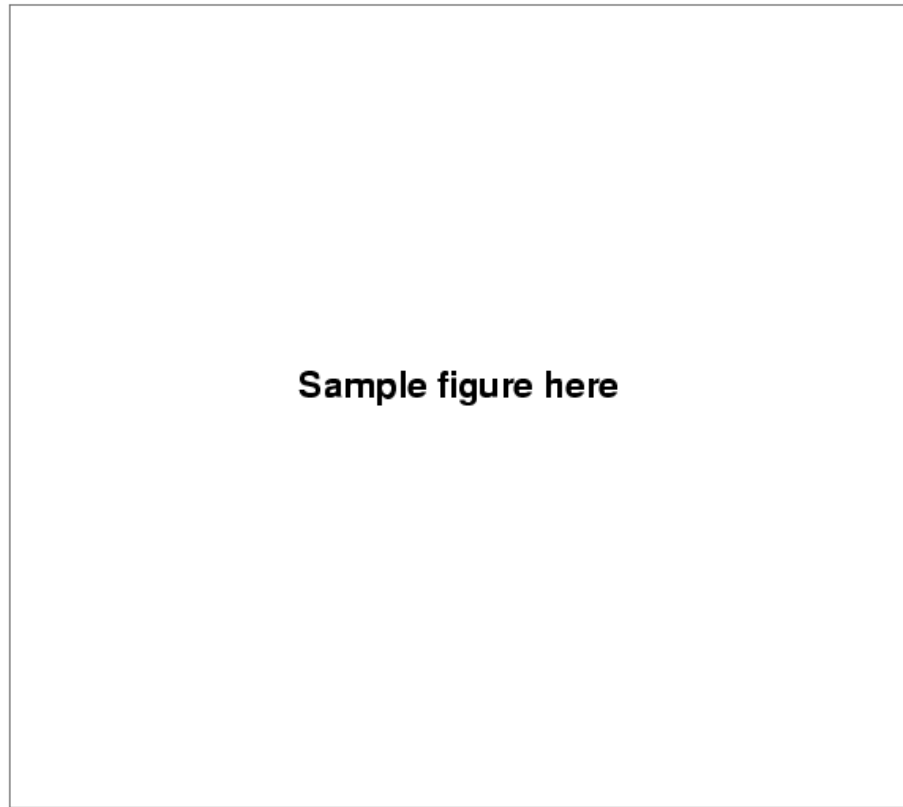


Figure 1: Figure caption here.

show a figure detailing any particular feature of your grid that you want to call attention to. Anything out of the ordinary should be described. The reader should have enough information that he/she can try to duplicate your CFD implementation method.

You are not encouraged to show detailed results in this write-up; however, you may show a few carefully selected figures of results if it helps to explain your methodology, or if it helps to illustrate a flow feature or aspect of your solution that you want to draw particular attention to. But remember that the total length of your write-up should not exceed 5 pages. You should refer to your figures via, for example, see Fig. 1.

Acknowledgments

The organizers thank the participants for preparing this write-up.

References

- [1] Jongen, T. and Gatski, T.B. "A Unified Analysis of Planar Homogeneous Turbulence Using Single-Point Closure Equations," *J. Fluid Mech.*, Vol. 399, pp. 117–150, 1999.
- [2] Gatski, T. B. and Rumsey, C. L. "Linear and nonlinear eddy viscosity models," In *Closure Strategies for Turbulent and Transitional Flows* (B. Launder and N. Sandham, Eds.), Cambridge University Press, pp. 9–46, 2002.